

FIG. 1A

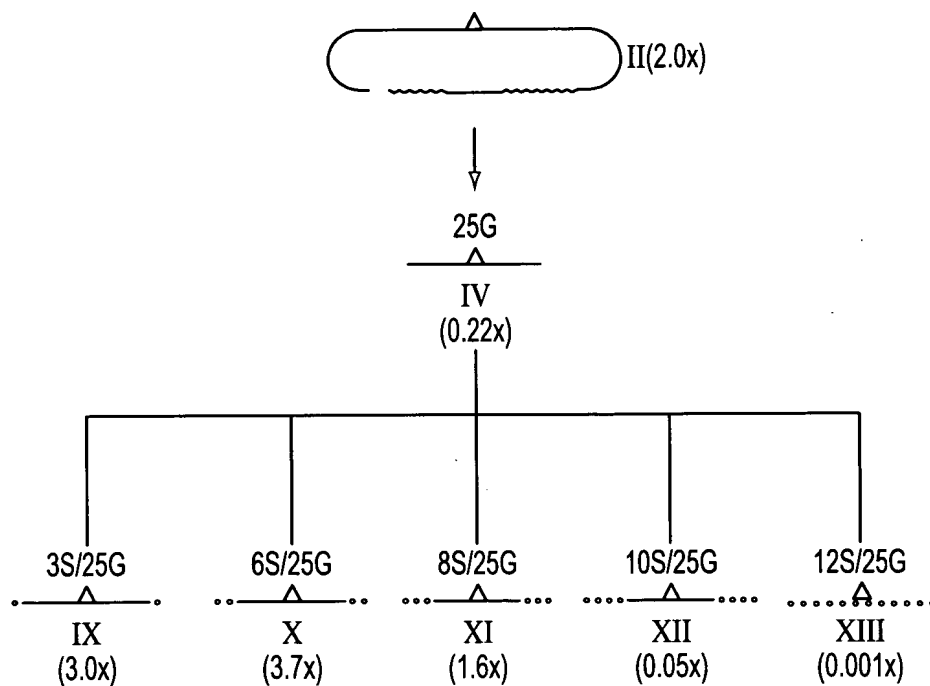


FIG. 1B



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PLASMIDS, DNA TARGETS AND CHIMERIC OLIGONUCLEOTIDES

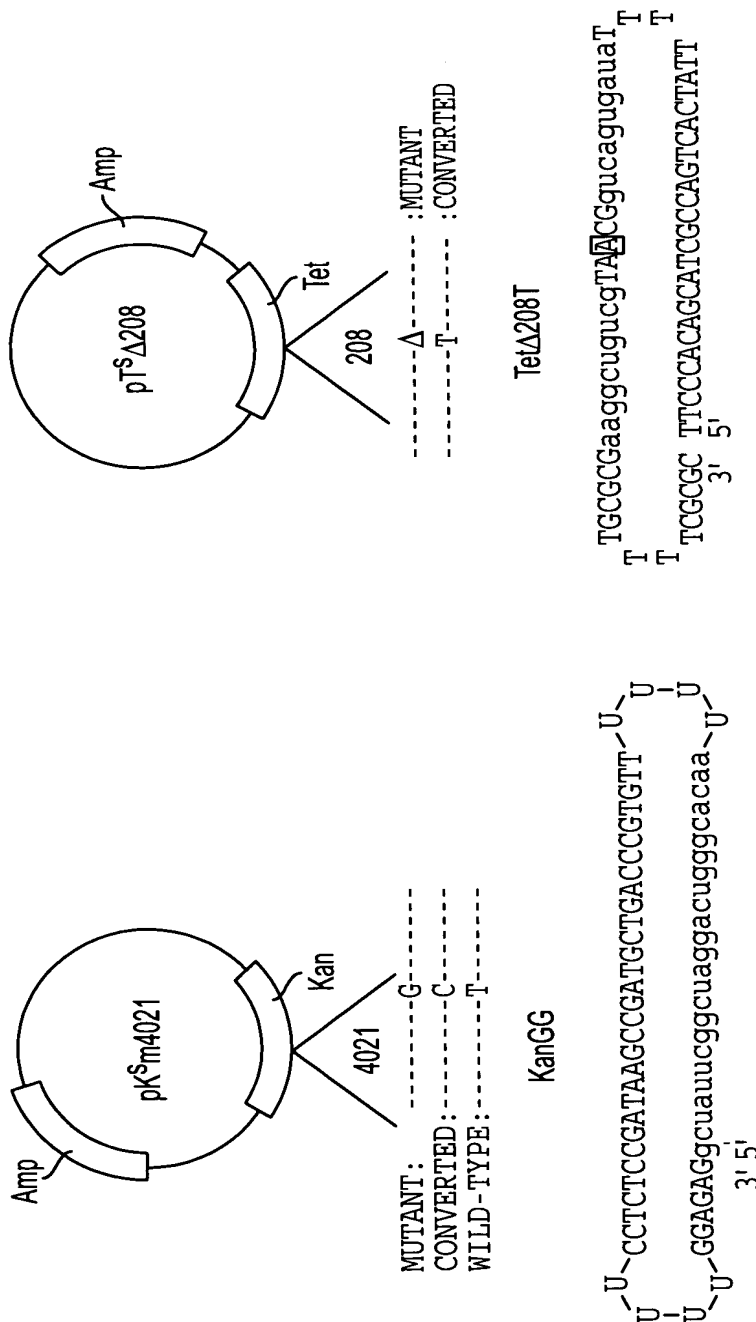
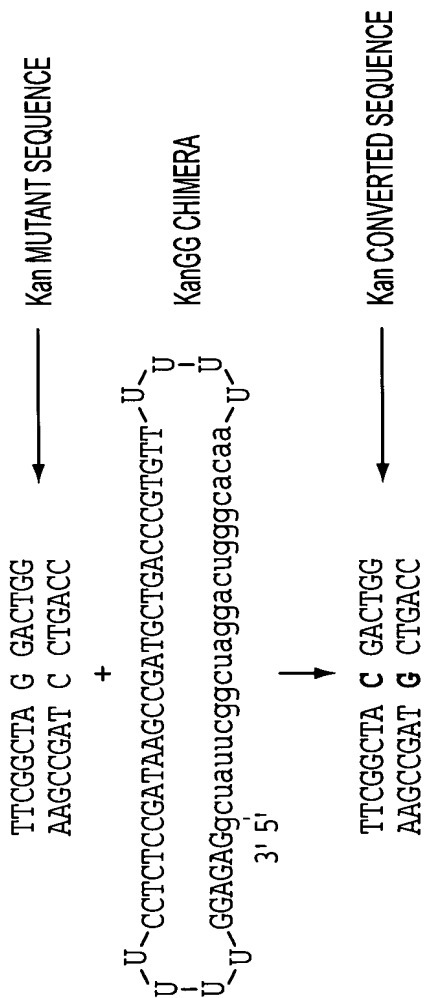


FIG. 1C



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DNA SEQUENCE ANALYSIS

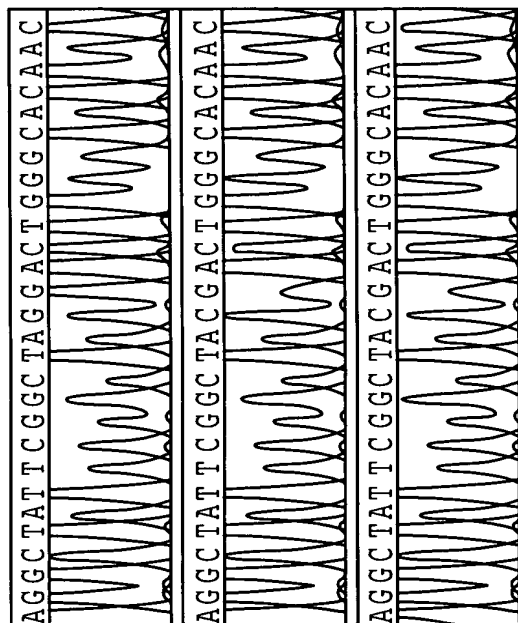


FIG. 1D



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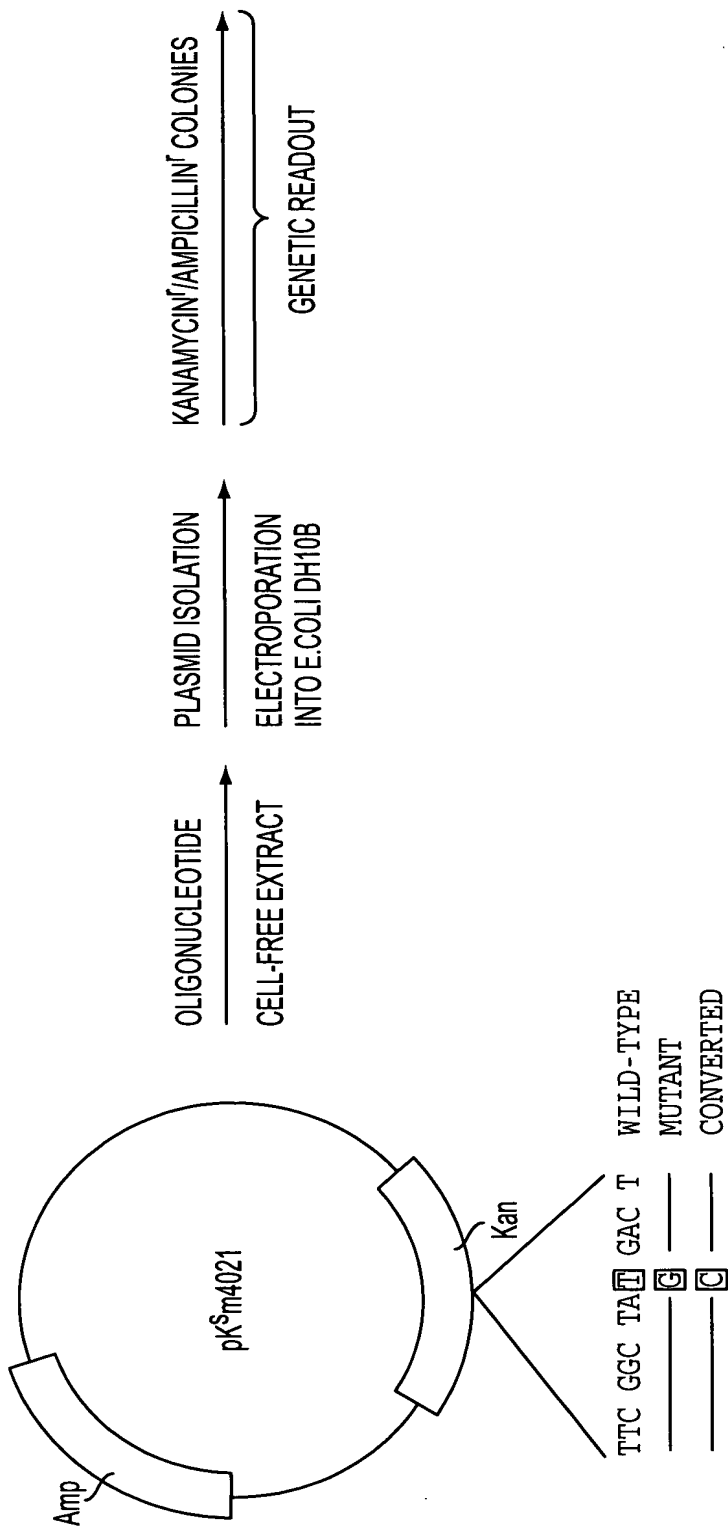
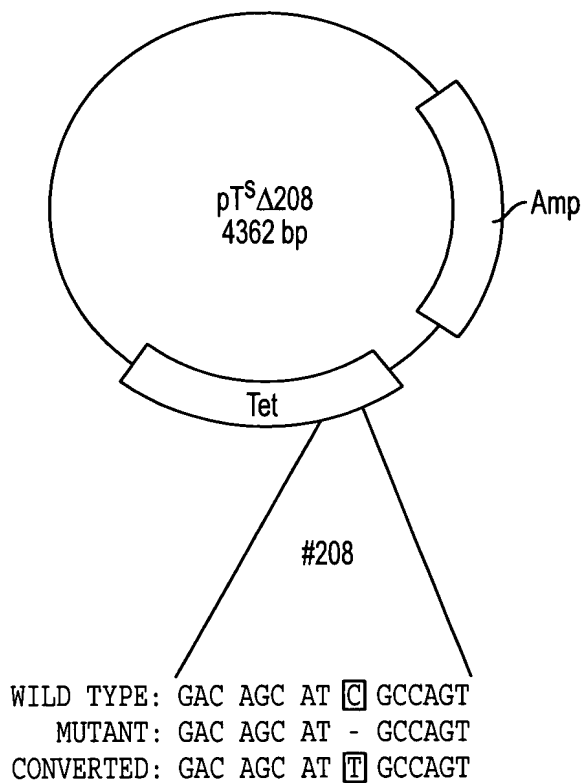


FIG. 2



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SEQUENCE ANALYSIS OF Tet^r PLASMID Δ 208

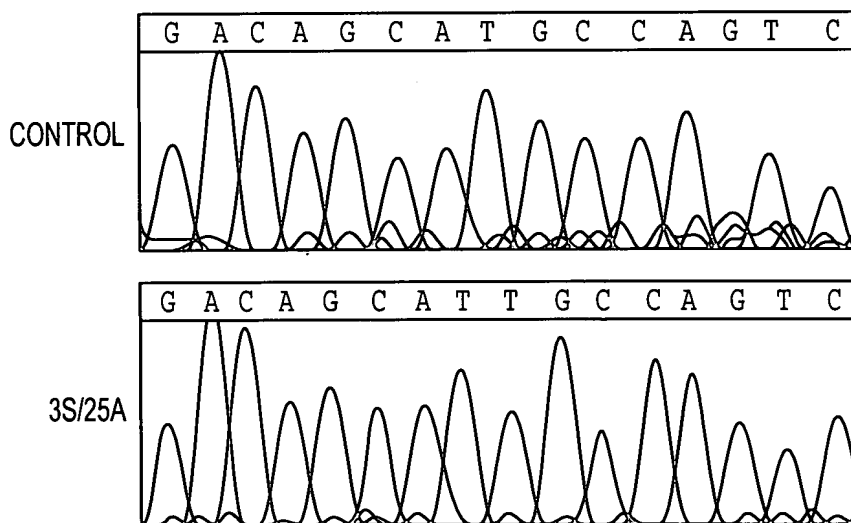


FIG. 3



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DNA SEQUENCE ANALYSIS OF Kan^r PLASMIDS

TARGET CODON DISTRIBUTION					
OLIGOMER	TAG	TAC	TAC/TAG	TGG	TCG
1) 3S/25G (20)	---	+	---	---	---
2) 6S/25G (20)	---	+	---	---	---
3) 8S/25G (20)	---	+	---	---	---
4) 10S/25G (18)	---	+	---	+(2)	+(2)
5) 25S/25G (4)	---	---	+(2)	+(2)	---

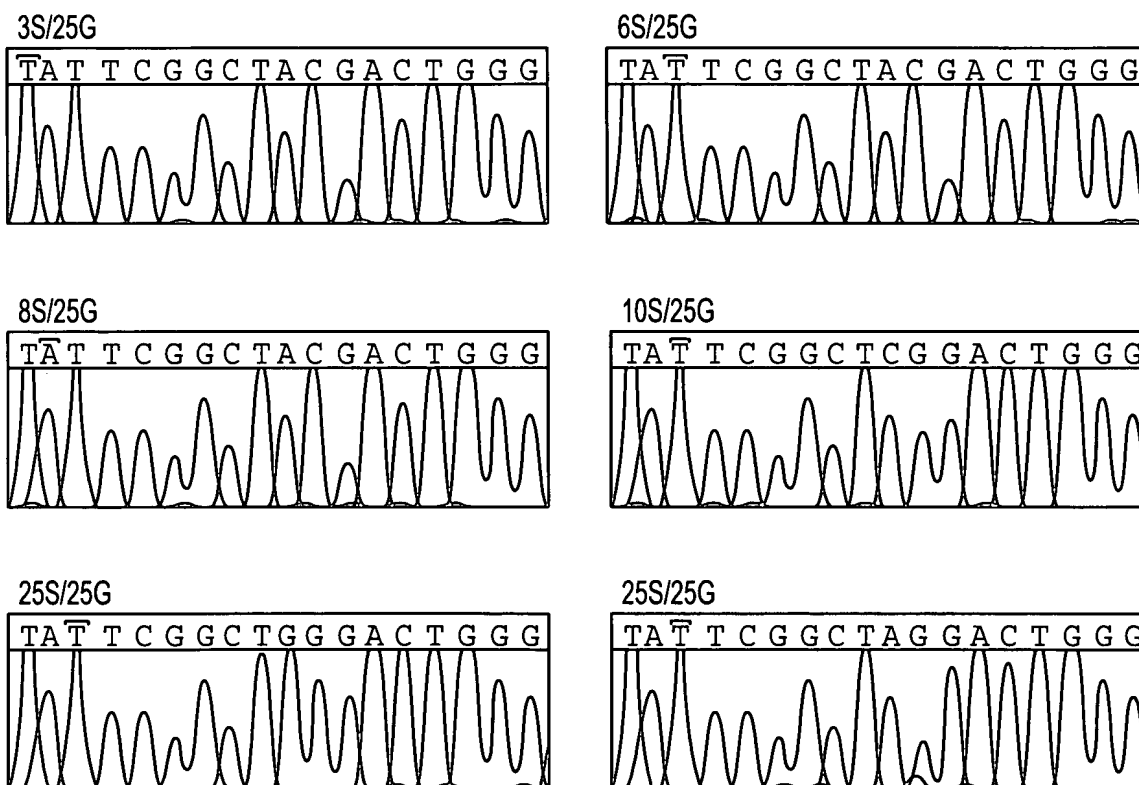


FIG. 4



Applicants: Kmiec *et al.* NaPro-4
Application No.: 09/818,875
Filed: March 27, 2001
For : TARGETED CHROMOSOMAL GENOMIC
ALTERATIONS WITH MODIFIED SINGLE
STRANDED OLIGONUCLEOTIDES

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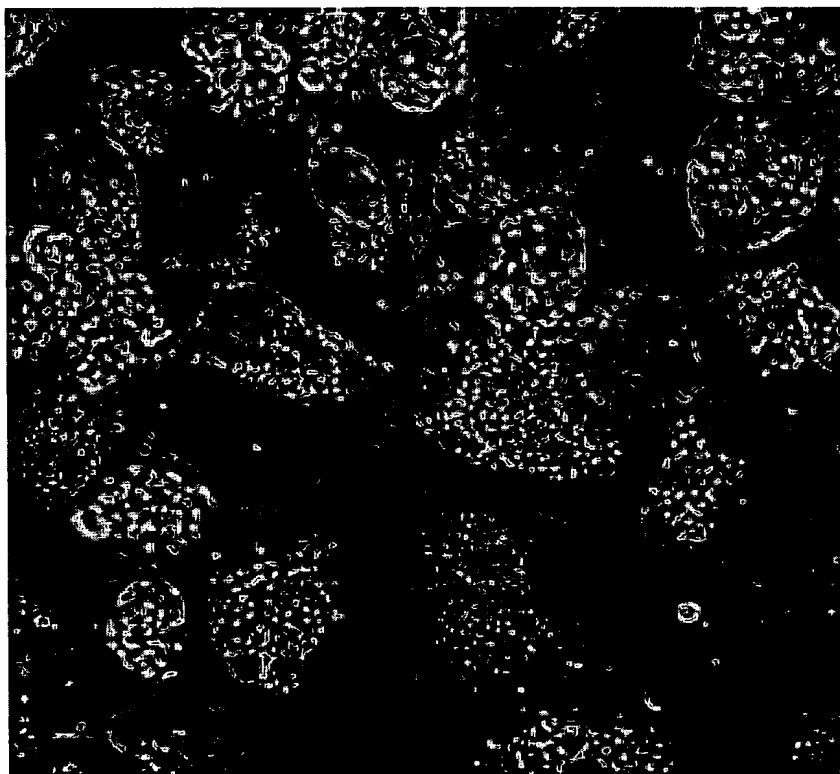


FIG. 5



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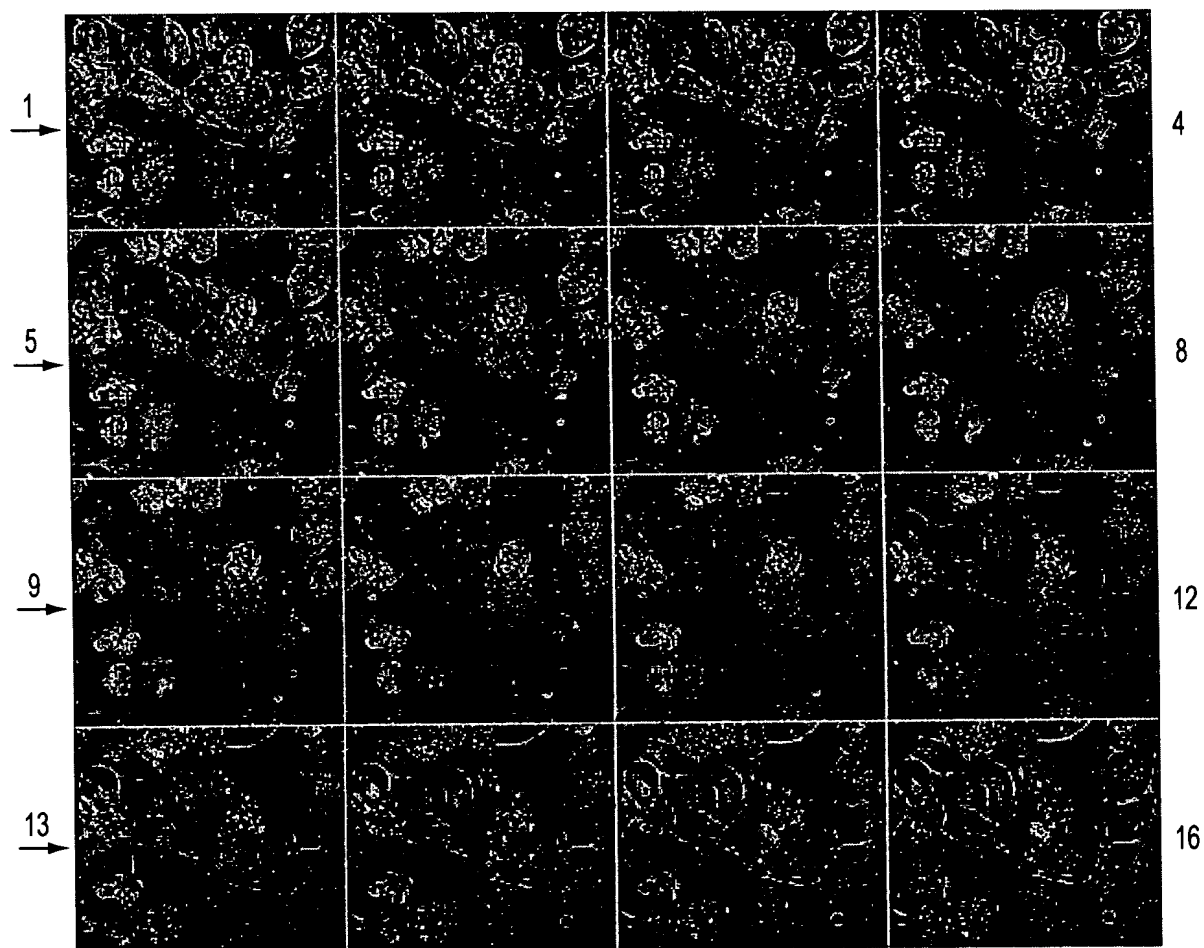


FIG. 6



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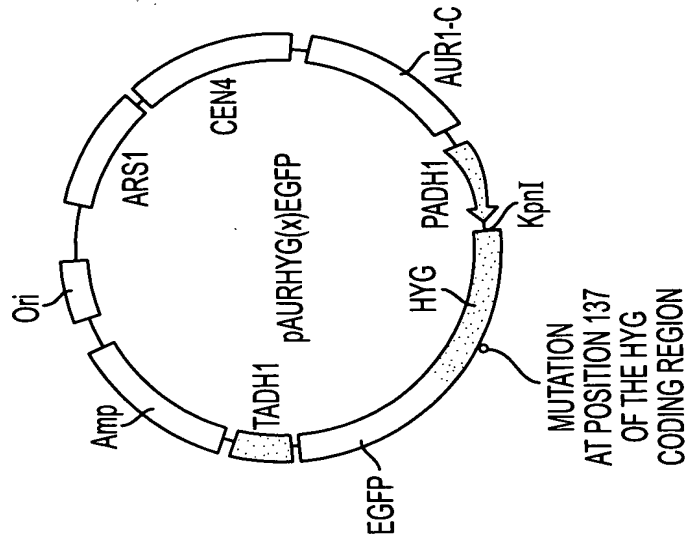


FIG. 7C

SEQUENCE OF NORMAL ALLELE: GTGGATATGTCCT
 TARGET/EXISTING MUTANT: GTGGATAAATGTCCT
 DESIRED ALTERATION: GTGGATACGTCCT

FIG. 7A

SEQUENCE OF NORMAL ALLELE: GTGGATATGTCCT
 TARGET/EXISTING MUTANT: GTGGATAGTCCT
 DESIRED ALTERATION: GTGGATACGTCCT

FIG. 7B



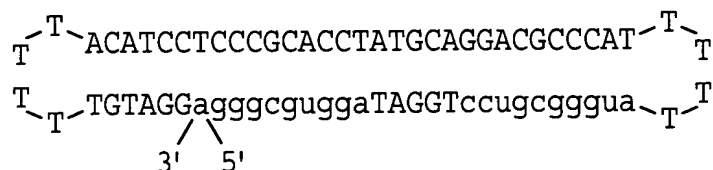
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HygE3T/25: 5' - AGG GCG TGG ATA CGT CCT GCG GGT A-3'

HygE3T/74: 5' - CTC GTG CTT TCA GCT TCG ATG TAG GAG GGC
GTG GAT ACG TCC TGC GGG TAA ATA GCT GCG
CCG ATG GTT TCT AC-3'

HygE3T/74α: 5' - GTA GAA ACC ATC GGC GCA GCT ATT TAC CCG
CAG GAC GTA TCC ACG CCC TCC TAC ATC GAA
GCT GAA AGC ACG AG-3'

HygGG/Rev:

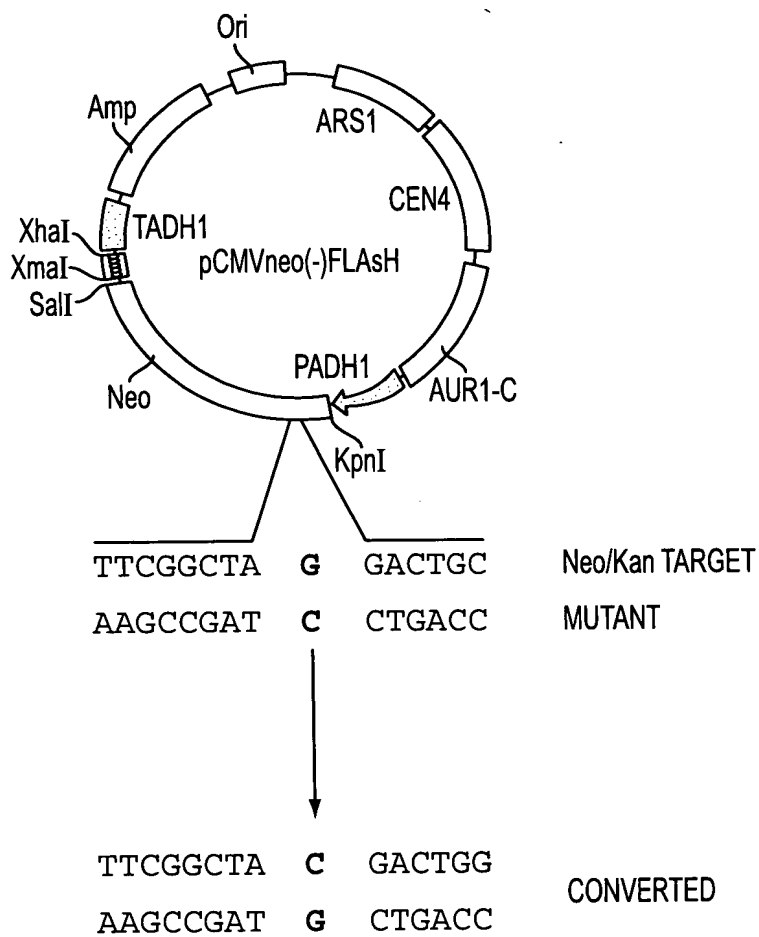


Kan70T: 5' - CAT CAG AGC AGC CAA TTG TCT GTT GTG CCC AGT
CGT AGC CGA ATA GCC TCT CCA CCC AAG CGG CCG GAG
A-3'

FIG. 8



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FUSION GENE FOR LIGAND BINGING

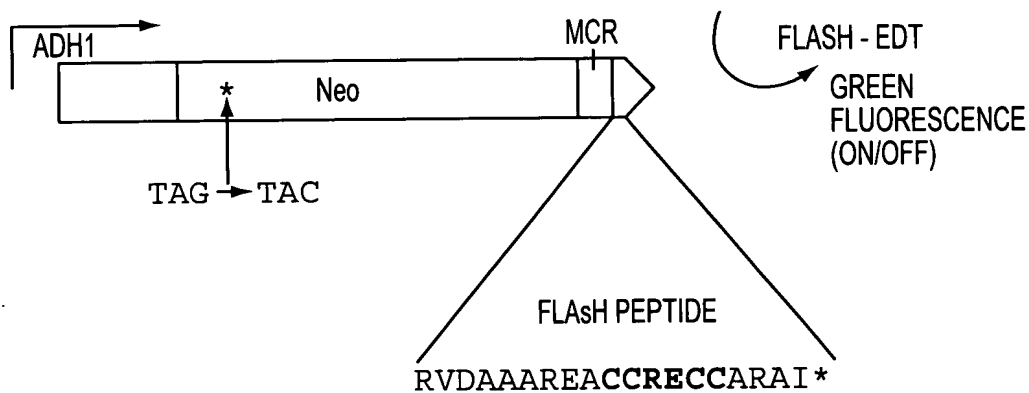


FIG. 9



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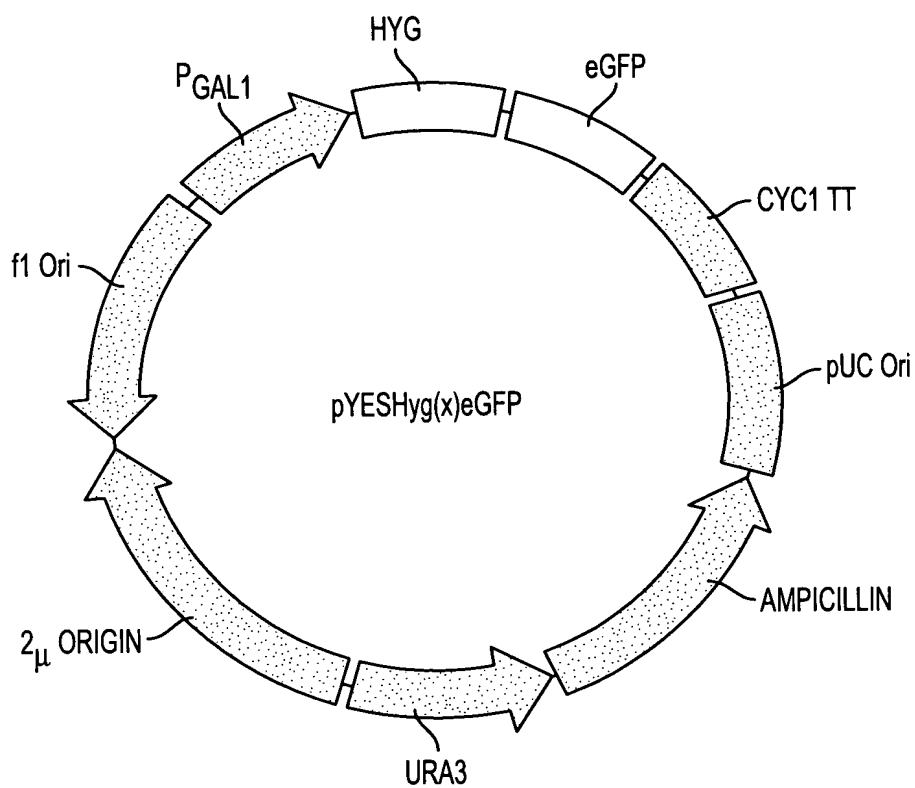


FIG. 10